



2621

Attorney's Docket No. 074451.P024XD

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Ahmad Zandi

Application No.: 09/499,255

Filed: 02/07/2000

For: Method And Apparatus For
Compression Using Reversible
Wavelet Transforms And An
Embedded Codestream

Examiner: Phuoc Tran

Art Unit: 2621

RECEIVED

APR 16 2004

Technology Center 2600

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450INFORMATION DISCLOSURE STATEMENT

Sir:

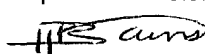
Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on 4/6/04.

(Date of Deposit)

Harleen Bains

(Typed or printed name of person mailing correspondence)


(Signature of person mailing correspondence)

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

 X 37 C.F.R. §1.97(b).

 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:

 A statement pursuant to 37 C.F.R. §1.97(e) or

 A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

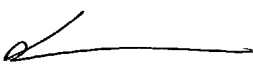
- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 7/6, 2004



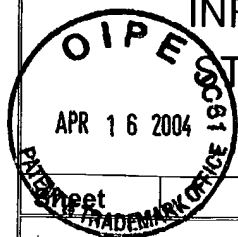
Michael J. Mallie
Reg. No. 36,591

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025
(408) 720-8300

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)



Complete if Known

Application Number	09/499,255
Filing Date	02/07/2000
First Named Inventor:	Ahmad Zandi
Art Unit	2621
Examiner Name	Phuoc Tran
Attorney Docket Number	074451.P024XD

1

of

5

U.S. PATENT DOCUMENTS

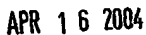
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)				
		US-	4,437,087	3/13/1984	Petr	
		US-	4,751,742	6/14/1988	Meeker	
		US-	4,881,075	11/14/1989	Weng	
		US-	4,899,147	2/6/1990	Schiavo et al.	
		US-	4,929,946	5/29/1990	O'Brien et al.	
		US-	4,973,961	11/27/1990	Chamzas et al.	
		US-	5,097,261	3/17/1992	Langdon, Jr. et al.	
		US-	5,223,926	6/29/1993	Stone, et al.	
		US-	5,276,525	1/4/1994	Gharavi	
		US-	5,349,348	9/20/1994	Anderson et al.	
		US-	5,379,355	1/3/1995	Allen	
		US-	5,414,780	5/9/1995	Carnahan	
		US-	5,416,604	5/16/1995	Park	
		US-	5,455,874	10/3/1995	Ormsby et al.	
		US-	5,511,151	4/23/1996	Russell et al.	
		US-	5,442,458	8/15/1995	Rabbani et al.	
		US-	5,566,089	10/15/1996	Hoogenboom	
		US-	5,638,498	6/10/1997	Tyler et al.	
		US-	5,701,367	12/23/1997	Koshi et al.	
		US-	5,717,789	2/10/1998	Anderson, et al.	
		US-	5,754,793	5/19/1998	Eom et al.	
		US-	5,808,683	9/15/1998	Tong et al.	
		US-	5,809,176	9/15/1998	Yajima	
		US-	5,850,482	12/15/1998	Meany et al.	
		US-	5,880,856	3/9/1999	Ferriere	
		US-	5,966,465	10/12/1999	Keith et al.	
		US-	6,020,975	2/1/2000	Chen et al.	
		US-	6,026,198	2/15/2000	Okada	
		US-	6,088,062	7/11/2000	Kanou et al.	
		US-	6,101,279	8/8/2000	Nguyen et al.	
		US-	6,118,902	9/12/2000	Knowles	
		US-	6,121,970	9/19/2000	Guedalia	
		US-	6,128,413	10/3/2000	Benamara	
		US-	6,201,897 B1	3/13/2001	Nixon	
		US-	6,229,929 B1	5/8/2001	Lynch et al.	
		US-	6,236,765 B1	5/22/2001	Archarya	
		US-	6,237,010 B1	5/22/2001	Hui et al.	
		US-	6,263,109 B1	7/17/2001	Ordentlich et al.	
		US-	6,263,120 B1	7/17/2001	Matsuoka	
		US-	6,327,392 B1	12/4/2001	Li	
		US-	6,330,666 B1	12/11/2001	Wise et al.	
		US-	6,339,658 B1	1/15/2002	Moccagatta et al.	
		US-	6,350,989 B1	2/26/2002	Lee et al.	
		US-	6,356,668 B1	3/12/2002	Honsinger et al.	

RECEIVED
APR 16 2004
Technology Center 2600

RECEIVED

APR 16 2004

Technology Center 2600



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/499,255
--------------------	------------

Filing Date	02/07/2000
-------------	------------

First Named Inventor:	Ahmad Zandi
-----------------------	-------------

Art Unit	2621
----------	------

Examiner Name	Phuoc Tran
---------------	------------

Attorney Docket Number	074451.P024XD
------------------------	---------------

Sheet

2

of

5

U.S. PATENT DOCUMENTS

RECEIVED

APR 16 2004

Technology Center 2600

Examiner
Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

Substitute for Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/499,255
Filing Date	02/07/2000
First Named Inventor:	Ahmad Zandi
Art Unit	2621
Examiner Name	Phuoc Tran
Attorney Docket Number	074451.P024XD

Sheet	3	of	5
-------	---	----	---

FOREIGN PATENT DOCUMENTS

[illegible]

RECEIVED

APR 16 2004

Technology Center 2600

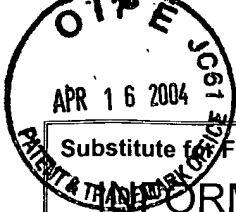
Examiner Signature		Date Considered	
-----------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Substitute for Form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	09/499,255	RECEIVED
Filing Date	02/07/2000	
First Named Inventor:	Ahmad Zandi	APR 16 2004
Art Unit	2621	Technology Center 2600
Examiner Name	Phuoc Tran	
Attorney Docket Number	074451.P024XD	

Sheet

4

of

5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		BLUMBERG, et al., "Visual Realism and Interativity for the Internet", IEEE, 1997, pp. 269-273.	
		BOLIEK, et al., "Decoding compression with reversible embedded wavelets (CREW) codestreams", Journal of Electronic Imaging, July 1998, vol. 7 (3), pp. 402-409.	
		BOLIEK, et al., "JPEG 2000 for Efficient Imaging in a Client/Server Environment", Proceeding of the PIE, SPIE, Bellingham, VA, US, Vol. 4472, July 31, 2001, pp. 212-223, XP008010308.	
		BOLIEK, et al., "JPEG 2000 Next Generation Image Compression System", IEEE 0-7803-6297, 45-48	
		CALDERBANK, et al., "Wavelet Transforms That Map Integers to Integers", August 1996.	
		CAREY, et al: "Regularity-Preserving Image Interpolation", IEEE Transactions on Image Processing, Vol. 8., No. 9, September 1999, pgs. 1293-1297, XP002246254.	
		CARRATO, et al: "A Simple Edge-Sensitive Image Interpolation Filter", Proceedings of the International Conference on Image Processing (ICIP) Lausanne, Sept. 16-19, 1996, New York, IEEE, US, vol. 1, pgs. 711-714, XP010202493.	
		CHRYSAFIS, et al., "An Algorith for Low Memory Wavelet Image Compression", IEEE 0-7803-5467-2/99, pg. 354-358.	
		CHRYSAFIS, et al., "Line Based Reduced Memory, Wavelet Image Compression," Data Compression Conference, 1998, DCC '98, Proceedings Snowbird, UT, March 1998, pgs. 398-407.	
		CHUI, et al., "Wavelets on a Bounded Interval", <u>Numerical Methods of Approximation Theory</u> , Vol. 9, 1992, pg. 53-75.	
		DESHPANDE, et al., "HTTP Streaming of JPEG2000 Images", IEEE, 2001, pp.15-19.	
		German Search Report, Dated March 21, 1997, 3 pages.	
		GORDON, BENJAMIN M., et al., "A 1.2 mW Video-Rate 2-D Color Subband Decoder," IEEE Journal of Solid-State Circuits, IEEE Inc. New York, Vol. 30, No. 12, Dec. 1, 1995, pgs. 1510-1516.	
		HAUF, et al., "The FlashPix™ Image File Format", The Fourth Color Imaging Conference: Color Science, Systems and Application, 1996, pp. 234-238.	
		Information Technology - JPEG 2000 Image Coding System - Part 1: Core Coding System, ISO/IEC 15444-1, 12/15/2000, pg. 5, 14, 22.	
		JPEG 2000 Part 1 Final Committee Draft Version 1.0, Image Compression Standard described in ISO/IEC 1/SC 29/WG 1 N1646, 16 March 2000.	
		MARCELLIN, et al., "An Overview of JPEG-2000", Proceedings. DCC 2000 Snowbird, UT, USA, March 28-30, 2000, pp. 523-541, XP010377392.	
		MENG, TERESA H., "A Wireless Portable Video-on-Demand System," VLSI Design, 1998, Proceedings Eleventh International Conference on Chennai, India 407, Jan. 1998, California, pgs. 4-9.	
		REEVES, et al: "Multiscale-Based Image Enhancement", Electrical and Computer Engineering, 1997. Engineering Innovation: Voyage of Discovery. IEEE 1997 Canadian Conference on St. Johns, NFLD., Canada May 25-28, 1997, New York, NY. (pgs. 500-503), XP010235053	
		STOFFEL, et al: "A Survey Of Electronic Techniques For Pictorial Image Reproduction," IEEE Transactions On Communications, vol. COM-29, no. 12, December 1981, pp. 1898-1925, XP000560531 IEEE, New York (US).	

Substitute for Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/499,255
Filing Date	02/07/2000
First Named Inventor:	Ahmad Zandi
Art Unit	2621
Examiner Name	Phuoc Tran
Attorney Docket Number	074451.P024XD

Sheet

5

of

5

Attorney Docket Number

074451.P024XD

NON PATENT LITERATURE DOCUMENTS

[illegible]

RECEIVED

APR 16 2004

Technology Center 2600

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.